Replacement Parts List No. 700013100
Rev. K 4/2015

Enfinity™ Console
Water Source Heat Pump

WMHC, WMHW
Sizes 015, 018
Design 1
R410a

DAIKIN McQUAY®

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Contents

Parts List Revision History 3

Nomenclature
- Serial Number 4
- Model Number 4, 5

Electrical Legend 6

Blower Assembly
- Motor, Wheel, Fan Housing 7

Refrigeration Circuit
- Reversing Valve & Solenoid, Compressor, Condenser, Evaporator, Fusible Plug, H.P. Switch & Coremax Valves
  - Diagrams 8
  - Components 9

Control Box
- MicroTech III Controller
  - Diagrams 10
  - Components 11

Field Installed Accessories 12-14

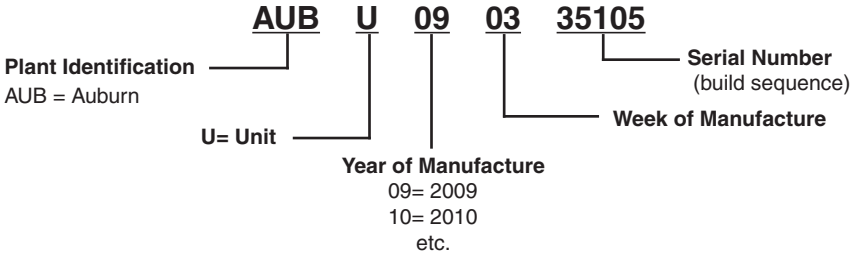
Critical Parts List CPL1

Parts List Revision History

Revision	Date	Description
New	05/09	New
A	10/09	Page 22- Add retrofit kit P/n 910104352 and retrofit kit P/n 910104353.
B	10/09	Page 8- Change Wall Mtd Prgm 1 Heat/1 Cool, ACO, Hardwired stat p/n 668810301 to 668811301.
C	06/10	Page 8- Delete page and add MT3 Sensors- MVHC & WMHC.doc. Pages 11-12 Add footnote (*) for color-specific p/ns. Page 22- Change Bub #750 to Bub #140. Page 25- Add control box and stand off descriptions. Add Connectors H1-9.
D	7/10	Page 21- Ref #860 change Valve p/n 107266006 to107266008. Ref #860 Change Valve p/n 107266007 to 107266010. Page 26-27- Change Ref # from531 to 53 & 591 to 59.
E	4/13	All Pages updated CS6, dwgs and numerous changes done(Sheet metal parts deleted). Pages 4-5 Nomenclature changes- C05= F; C11=Y(1st digit); C23=C24= G-N, Y & 1-4. Page 6- Add page for Electrical Legend. Pages 7- 9 Field Installed Accessories- Delete Motorized Valve p/n 060977401. Added numeroius Thermostats, Sensors and Wall Plate (p/ns from IM/OM). Add Consle Damper, Comm. Module Kit and Subbase Kit. Add page & arrange to fit. Pages 11- 19 Delete all sheet metal for cabinet and chassis components. Footnote 1 added to Controls (pg18) to contact McQuay Parts for sheet metal p/ns. Ref #205 Change Scroll fan p/n 6687938010 to 668793803. Page 12- Add Digrams for Refrigeration Circuit. Page 13- Change sleeve p/n 668955501 to 669543501. Page CPL1 Add Critical Parts List.
F	8/13	Page 24- Change contactor p/n 106500101 to 106500102.
G	9/13	Page 8- Add right hand subbase kit p/ns 910111375 & 106796206.
H	11/13	Rebrand Daikin. Page 24- Change MTIII I/O Exp p/n 668105701 to 668105702. Change MTIII LonWorks p/n 668105801 to 107293070 and BACnet p/n 668105901 to 107293071. CPL1- Change MTIII I/O Exp, MTIII LonWorks & BACnet.
I	7/14	Page 19- Change High Pressure Switch p/n 668803601 to 910117560. Page 24- Change Contactor p/n 106500101 to 073300102 and p/n 106500102 to 910140336.
J	3/15	Delete cabinet & chassis sheet metal. Numerous changes. Page 9, 11-15- Delete OA Damper, Basic Unit Layout, sheet metal cabinet/chassis components. Page 10- Add motor capacitor p/n 668003109. Add Cabinet/Chassis Components and footnote 1. Page 11-12 Change compressor mounting detail drawing. Change Ref#s for Line Weight, condenser, compressor, plug assy, pressure valve & line weight. Pages 14-15 Delete & combine controls pages 21-24. Add MTIII diagrams for 208-230V & 265V. Change Capacitor, relay DPST, SLTS & transformer p/ns. Pages 13-15 Field Installed Accessories moved from pages 7-9. CPL1- Delete comm cards & expansion valves. Add SLTS.
K	4/15	Page 9- Change compressor nut p/n 668383001 to 802012035. Change drain pan p/n 668802701 to 668802702. Page 11- Add Thermostat, LUI 7-day Program p/n 668811101 & Non-Program p/n 668811001.

Nomenclature

Serial Number



Model Number

	W	MHC	1	015	C	E	H	B	T	01	F2	E	C	Y	YY	L	UNY	YYY	YYY	A	D	YYY	H	S	Y	D	1	C	1
Code	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29

Code 01= Unit Type
W= Water Source Heat Pump

Code 02= Product Identifier
MHC= Standard Range Console WSHP
MHW= Geothermal Range Console WSHP

Code 03= Design Series
1= Design 1

Code 04= Unit Size
015= 15000 BtuH Nominal Cooling
018= 18000 BtuH Nominal Cooling

Code 05= Controls
B= MicroTech III Unit Controller
C= MicroTech III Unit Controller w/ LonWorks
D= MicroTech III Unit Controller w/ BACnet
F= MicroTech III Unit Controller w/ BACnet-WSHP System

Code 06= Voltage
E= 208-230/60/1
J= 265/60/1

Code 07= Cabinet Height
H= High Sill
L= Low Sill
Y= None

Code 08= Return Air
B= Bottom Return Air (High Sill)
F= Front Return Air (Low Sill)

Code 09= Discharge Air
T= Top Discharge

Code 10= Blower Motor
01= Standard

Code 11= Cabinet Type /Discharge Grille
1st Digit- Cabinet Type
A= Flat Top w/12" Extended End Pocket (High Sill)
B= Slope Top w/12" Extended End Pocket (High Sill)
F= Flat Top
S= Slope Top
Y= None
2nd Digit- Discharge Grille
C= Chassis only (no extended end pocket)
1= Bargrille (Anodized Extruded Aluminum)
2= Standard Stamped Louver
3= Multi-Directional Grille
4= Double-Deflection Adjustable Grille (Plastic)

Code 12= Cabinet Construction Type
A= Fiberglass Insul w/1" Filter Rack- Std
E= Indoor Air Quality (IAQ) w/1" Filter RacK

Code 13= Water to Refrigerant Heat Exchanger
C= Copper Inner Tube/ Steel Outer Tube
S= Cupro Nickel Inner Tube/ Steel Outer Tube

Code 14= Heating Options
3= 3.5 kW Electric Heat
Y= None

Code 15= Dehumidification (Always YY= None)

Code 16= Piping Hand
L= Left Hand
R= Right Hand
Y= None

Continued on the next page.

Nomenclature
Continued

Code 17= Thermostat Control
YYY= None

R N L

Options
L= Low Limit Control
M= Low Limit Control & Unit-mounted NSB Override Switch
P= NSB Override Switch
R= Remote Sensor
Y= None

Programmability
N= Non- Programmable
P= 7- Day Programmable w/LCD Display
Y= None

Controls
R= Remote
S= Wall Mounted Space Sensor w/NSB Override
U= Unit Mounted T'stat w/LCD Display
W= Wall Mounted T'stat w/Fan Speed Switch
Y= None

Code 18= Night Control (Always YYY= None)

Code 19= Desuperheater (Always YYY= None)

Code 20= Refrigerant
A= R410a

Code 21= Power Connection
C= Unit Mounted 20A Plug & Cord
D= Unit Mounted 20A Plug & Cord w/ 15A Fused Disconnect Sw
E= Unit Mounted 20A Plug & Cord w/ Non-Fused Disconnect Sw
Y= None

Code 22= Cabinet Electrical
75V= 75VA Transformer
YYY= None

Code 23= Water Flow Control
H= 2-Way Motorized ½" Isolation Valve, High Close-Off Press. N.C.
P= 2-Way Motorized ½" Isolation Valve, High Close-Off Press. N.C. & Supply, Return, Bypass Hand Valves & Measureflow Devices
R= ½" Supply, Return & Bypass Valves Only
W= 2-Way Motorized ½" Isolation Valve, High Close-Off Press. N.C. and Supply, Return & Bypass Hand Valves
Y= None

Code 24= Color
Y= None

	Cabinet	Grille	Subbase
S=	Antique Ivory	Oxford Brown	Oxford Brown
T=	Antique Ivory	Antique Ivory	Oxford Brown
B=	Antique Ivory	Antique Ivory	Antique Ivory
D=	Cupola White	Oxford Brown	Oxford Brown
P=	Cupola White	Cupola White	Oxford Brown
E=	Cupola White	Cupola White	Cupola White
G=	Off White	Oxford Brown	Oxford Brown
F=	Off White	Off White	Oxford Brown
H=	Off White	Off White	Off White
K=	Putty Beige	Oxford Brown	Oxford Brown
R=	Putty Beige	Putty Beige	Oxford Brown
L=	Putty Beige	Putty Beige	Putty Beige
V=	Soft Grey	Oxford Brown	Oxford Brown
J=	Soft Grey	Soft Grey	Oxford Brown
N=	Soft Grey	Soft Grey	Soft Grey

Cabinet	Subbase
1= Antique Ivory	Oxford Brown
2= Antique Ivory	Antique Ivory
3= Cupola White	Oxford Brown
4= Cupola White	Cupola White

Code 25= Outside Air
Y= None

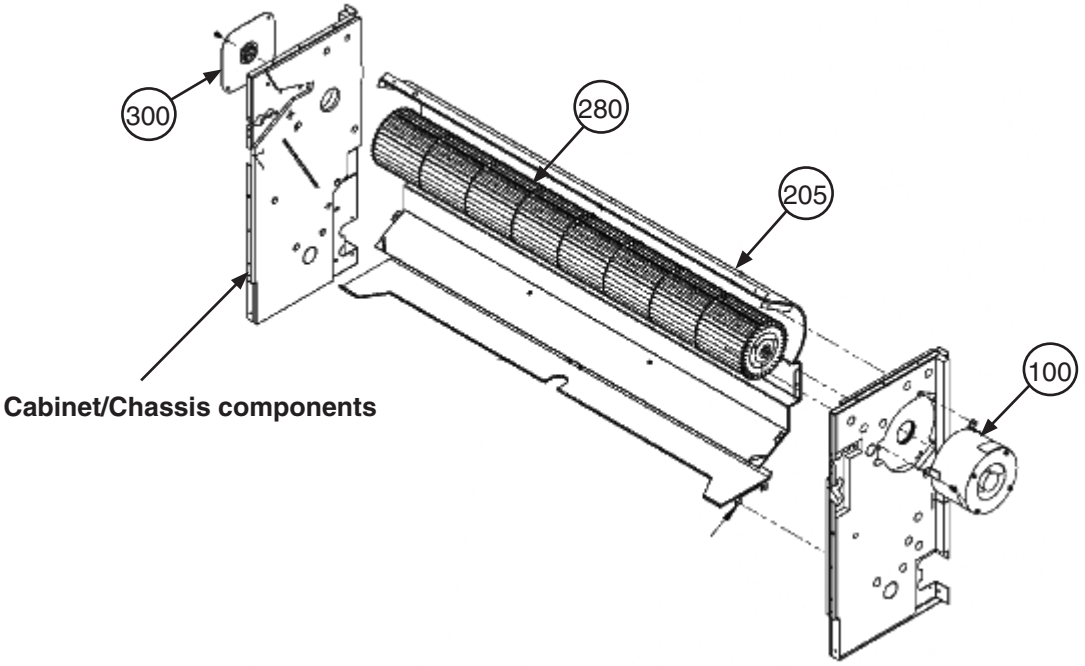
Code 26= Agency Type
D= ETL, CETL, CE

Code 27= Packaging
Code 28= Extended Warranty
Code 29= Product Style
1= Style 1

Electrical Legend

Schematic Sym.	Description
BNM	BACnet Module
C1	Capacitor- Compressor
C2	Capacitor- Fan
CC	Contactor- Compressor
CM	Compressor Motor
COS	Sensor- Condensate Overflow
CR	Relay- Compressor
DAT	Sensor- Discharge Air
DPG	Drain Pan Ground
EWT	Sensor- Entering Water
FHS	Relay- Fan High Speed
FSR	Relay- Fan Speed
FSS	Switch- Fan Speed
HP	Switch- High Pressure
IOEXP	I/O Expansion Board/Harness
LED1	LED Annunciator/Harness
LED2	LED Annunciator/Harness
LWT	Sensor- Leaving Waters
MIII	MicroTech III Main Board
OVL	Compressor Overload Protector
R1	Relay- Fan Motor
R2	Relay- Electric Heat
RAT	Sensor- Room Air
RV	Valve- Reversing
SLTS	Sensor- Suction Line Temperature
T1	EG2UCP Terminal Strip
TB1	Power Terminal Block
UMT	Thermostat- Unit Mounted
X1	Transformer

Blower Fan Assembly
Motor, Wheel, Fan Housing

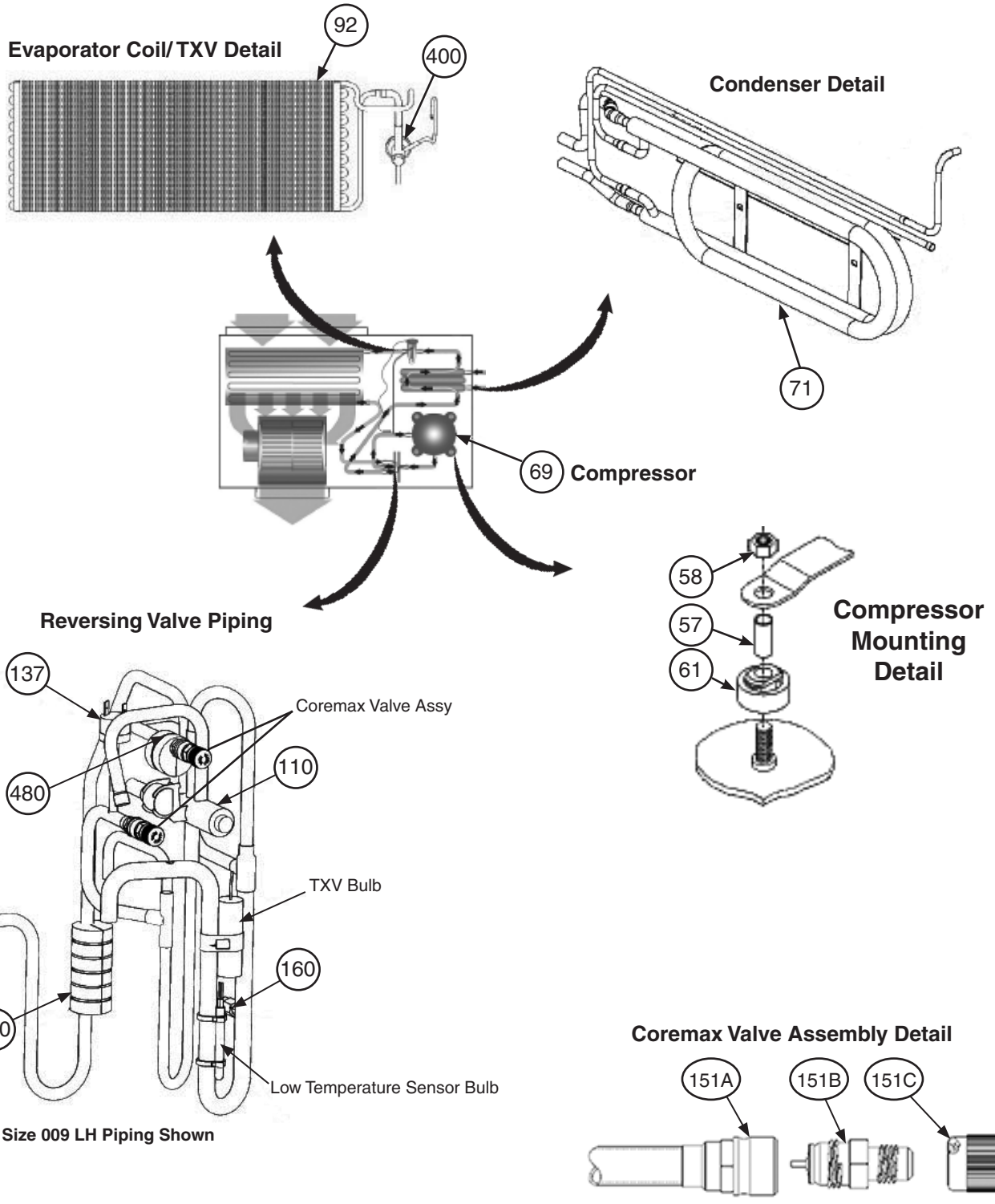


Ref No.	Part Description		Part Number	Unit Size 015 208/230/60/1	Unit Size 015 265/160/1	Unit Size 018 208/230/60/1	Unit Size 018 265/60/1
100	Indoor Motor, 1/3 HP	208-230V	667994272	1		1	
	Indoor Motor, 1/3 HP	265V	667994273		1		1
N/S	Capacitor, 2.5MFD 370V		668003109	1	1	1	1
205	Fan Housing, Scroll		668793804	1	1	1	1
280	Fan- Tangential		667996503	1	1	1	1
300	Bearing- Fan		668002701	1	1	1	1
N/S	Cabinet/ Chassis Components		[1]				

[1] Please contact Daikin Applied with unit model and serial number for part numbers on Cabinet/Chassis components.

Refrigeration Circuit

Reversing Valve & Solenoid, Compressor, Condenser, Evaporator, Fusible Plug, H.P. Switch & Coremax Valves Diagrams



Refrigeration Circuit

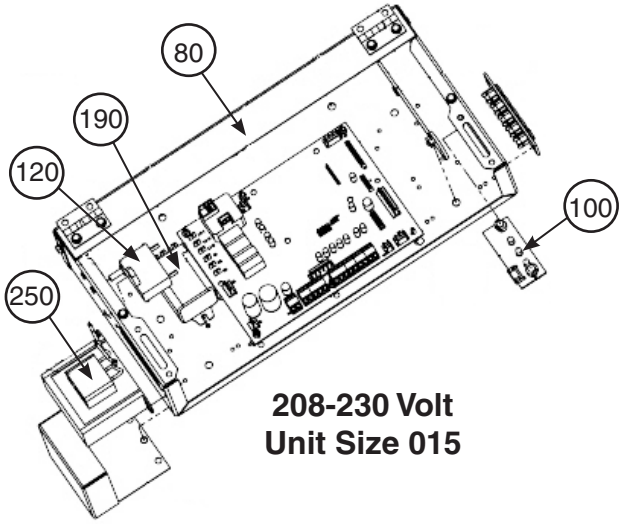
Reversing Valve & Solenoid, Compressor, Condenser, Evaporator, Fusible Plug, H.P. Switch & Coremax Valves

Components

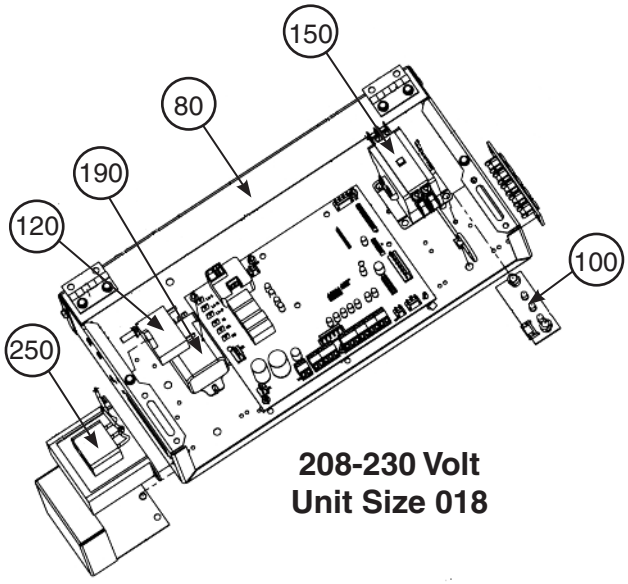
Ref No.	Part Description		Part Number	Unit Size 015 208/230/60/1	Unit Size 015 265/160/1	Unit Size 018 208/230/60/1	Unit Size 018 265/60/1
57	Sleeve, Compressor Mount		669543501	3	3	3	3
58	Nut, Compressor Mount		802012035	3	3	3	3
61	Grommet, Compressor Mount		668955401	3	3	3	3
69	Compressor		668951601	1			
	Compressor		668951603		1		
	Compressor		668951701			1	
	Compressor		668951711				1
N/S	Overload, Compressor		668015808	1			
	Overload, Compressor		668015810		1		1
	Overload, Compressor		668015811			1	
71	Condenser- Coax	Copper Inner Tube	668803401	1	1	1	1
	Condenser- Coax	CUNI Inner Tube	668803402	1	1	1	1
N/S	Mount- Vibration		668805601	1	1	1	1
92	Evaporator Coil, LH		668959012	1	1		
	Evaporator Coil, LH		668959013			1	1
	Evaporator Coil, RH		668959015	1	1		
	Evaporator Coil, RH		668959016			1	1
110	Reversing Valve	until 3/11	106694111	1	1		
	Reversing Valve	3/11 to 5/14	910110426	1	1		
	Reversing Valve	5/14 & later	910124938	1	1		
	Reversing Valve	until 3/11	106694102			1	1
	Reversing Valve	3/11 & later	910110418			1	1
N/S	Solenoid- Reversing Valve	until 3/11	106694207	1	1	1	1
	Solenoid- Reversing Valve	3/11 to 5/14	910110439	1	1		
	Solenoid- Reversing Valve	5/14 & later	106694207	1	1		
	Solenoid- Reversing Valve	3/11 & later	910110439			1	1
137	High Pressure Switch	until 7/11	668803601	1	1	1	1
	High Pressure Switch	7/11 & later	910117560	1	1	1	1
151A	Seat- Coremax Valve		668188801	2	2	2	2
151B	Core- Coremax Valve		668188701	2	2	2	2
151C	Cap- Coremax Valve		668189501	2	2	2	2
160	Fusible Plug Assy		850008345	1	1	1	1
	Plug Only	283°F	106057401	1	1	1	1
400	Expansion Valve		668802901	1	1		
	Expansion Valve		106489102			1	1
480	Weight- Line		067009101	3	3	3	3
	Weight- Line		060746901	1	1	1	1
N/S	Heater, Electric- 3.5KW	C14= 2	667994908	1	1	1	1
N/S	Drain Pan		668802702	1	1	1	1

N/S= Not Shown.

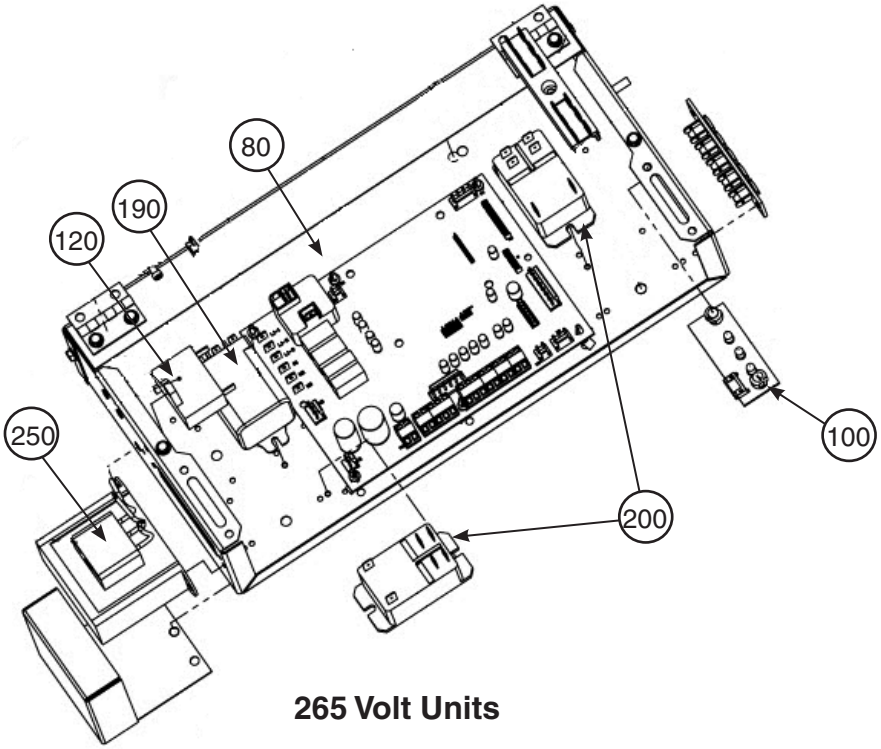
Control Box
MicroTech III Controller
Diagrams



208-230 Volt
Unit Size 015



208-230 Volt
Unit Size 018



265 Volt Units

Control Box
MicroTech III Controller
Components

Ref No.	Sch. Sym.	Part Description	Part Number	Size			
				015		018	
				208/230/60/1	265/160/1	208/230/60/1	265/60/1
N/S		Bracket, Capacitor	850010570	1	1	1	1
N/S	CAP	Capacitor, Compressor until 4/12	067291516	1		1	
N/S	CAP	Capacitor, Compressor until 4/12	067291515		1		1
N/S	CAP	Capacitor, Compressor, 35MFD 370V 4/12 & later	910120050	1	1	1	1
80	MTIII	Control Board, MicroTech III Code 05= B	668105601	1	1	1	1
N/S	IOEXP	IO Board Expansion Assy (H5 Add-on)	668105702	1	1	1	1
100	LED1	LED Annunciator Assy (MTIII & I/O Boards)	668395201	1	1	1	1
N/S		Standoff					
		PC Board	802028115	6	6	6	6
		Edge-holder (Comm card only)	668395501	4	4	4	4
150	CC	Compressor Contactor- 208V	910140336			1	
	CC	Compressor Contactor- 24V	910140339			1	
190		Relay, Fan, 3PDT	802005906	1	1	1	1
200	R1	Relay, 30A, DPST until 3/13	106500101		2		2
		Relay, 30A, DPST 3/13 & later	106500102		2		2
N/S		Rocker Switch SPST	061321501	1	1	1	1
N/S		Switch, Momentary N.O.	061377201	1	1	1	1
250	X1	Transformer, 50VA until 4/11	060614102	1		1	
		Transformer, 50VA 4/11 & later	910116202	1		1	
		Transformer, 50VA until 4/11	060630702		1		1
		Transformer, 50VA 4/11 & later	910116203		1		1
		Transformer, 75VA until 4/11	667715902	1		1	
		Transformer, 75VA 4/11 & later	910116213	1		1	
		Transformer, 75VA until 4/11	667715901		1		1
		Transformer, 75VA 4/11 & later	910116209		1		1
N/S		Thermostat, LUI, 7-Day Programmable, Unit Mnt	668811101	1	1	1	1
N/S		TStat Retrofit Kit, LUI, 7-Day Programmable, Unit Mnt	910104352	1	1	1	1
N/S		Thermostat, LUI, Non-Programmable, Unit Mnt	668811001	1	1	1	1
N/S		TStat Retrofit Kit, LUI, Non-Programmable, Unit Mnt	910104353	1	1	1	1
N/S		Control Temperature, Low Limit +48°/+54°F	669521101	1	1	1	1
N/S		Control Temperature, Low Limit +28°/+38°F	066540601	1	1	1	1
N/S	SLTS	Suction Line Temp Sensor 10K	910121227	1	1	1	1
N/S	DAT	Air Temp Sensor 10K	107201601	1	1	1	1
N/S	LWT	Water Temp Sensor 10K	107201601	1	1	1	1

N/S= Not shown on diagram.

Field Installed Accessories
Continued

MicroTech III Temperature Sensors

Part Number	Kit	Tenant Override	Set Point Adjustment	Status LED	Fan & Mode Switches
669088101	669529001	Yes	No	No	No
668900801	669529101	Yes	55˚ to 95˚F (12˚ to 35˚C)	Yes	Yes
669088201	669529201	Yes	-3˚ to +3˚F (-1.5˚ to 1.5˚C)	No	Yes

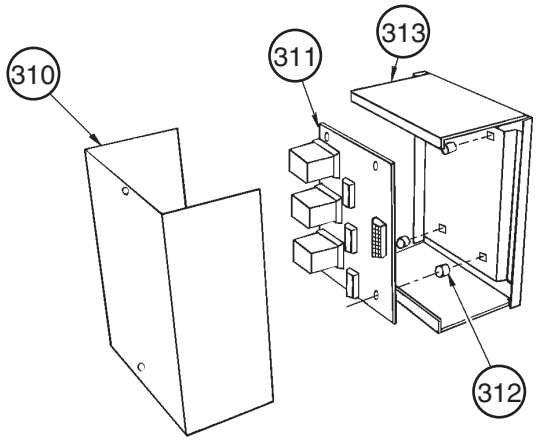
Note: Can only be used in conjunction with a Communication (Comm.) card. See OM 931 for required jumper settings.

MicroTech III Unit Control Accessories

Description	Part Number
** Multiple Unit Control Panel: Allows a master unit controlled by a T'Stat, to operate up to 3 secondary units Not Recommeended for use with a Boilerless System Kit	056794201
Boilerless System Kit with I/O Expansion Board	910110355
Boilerless System Kit without I/O Expansion Board	910110353

** Kit components listed below

Multiple Unit Control Panel Kit



Ref. No.	Description	Part Number	Qty.
310	Cover- Control Box	106436101	1
311	Circuit Board	056794001	1
312	Stand Off- Circuit Board	802028090	6
313	Box	850007827	1

Field Installed Accessories
Continued

Hoses

Description	Specification	Part Number
Hose Assy, Fire Rated Condensate	3/4" NPT X 2'	106063801
	3/4" NPT X 3'	106063901
Hose Assy, Fire Rated Supply/Return	1/2" NPT X 9”	668817701
	1/2" NPT X 12”	668817702
	1/2” NPT X 18”	668817703
	1/2” NPT X 24”	668817704
Hose Assy, Plastic Condensate	3/4" NPT X 30"	106063701
	3/4" NPT X 36"	106665101

Outdoor Air Dampers*

Description	Part Number
Manual O.A. Damper	668816601
Motorized O.A. Damper Kit, 24V	910124326

* See IM 974-1.

Subbase Kit

Description	Right Hand	Left hand
3.5” Hi-Sill	910111375	910111374
7.0” Hi-Sill	106796206	106796205
1.0” Low-Sill	910111377	910111377

Thermostats, Sensors & Wall Plate

Description	Part Number
Digital Room Temperature Sensor	910121754
Wall, Stat- AC/DC, ACO, 7 Day Programmable, 2 Heat/2 Cool with Wall Plate	668375301
Wall, Stat- AC/DC, ACO, Non-Programmable, 2 Heat/2 Cool, NSB & OR with Wall Plate	668375401
Wall, Stat: 7 Day Programmable, 1 Heat/1 Cool , ACO, Fan Speed, Hardwired	668811301
Wall, Stat: Non-Programmable, 1 Heat/1 Cool , ACO, Fan Speed, Hardwired	668811201
Wall, Stat- ACO/MCO, 7 Day Programmable, 2 Heat/2 Cool	910121748
Wall, Stat- ACO/MCO, Non-Programmable, 2 Heat/2 Cool	910121746
Wall, Stat- ACO/MCO, 7 Day Programmable, Touch-Screen, 3 Heat/2 Cool	910121750
Wall, Stat- Adj. Cool/Warm with Occupancy Switch	910121753
Remote Sensor (For use with thermostat p/ns 668375301 & 668375401)	667720401
Remote Sensor, Indoor Air (For use with Thermostat p/n 910121750)	910129095
Remote Sensor, Outdoor Air (For use with Thermostat p/n 910121750)	910129096
Wall Plate, Insulated	107096101

Wireless Thermostats

Description	Part Number
RCN Kit- Use with Wireless Thermostats	669693602
TStat, Wireless, 7 Day Programmable, Hi/Low Fan Speed	668898001
TStat, Wireless, Non-Programmable, Hi/Low Fan Speed	668898101

Field Installed Accessories

Ball Valves & Motorized Valve

Description	Part Number
Shutoff/balancing Valve, 1/2" w/Memory Stop (2 per unit)	802026097
Ball Valve, 1/2" FPT 2 Pack	106065102
Ball Valve, 1/2" FPT 10 Pack	106065110
Motorized Valve Kit, ½" 2-way Valve, Normally Closed(NC)- Gen. Close Off Pressure	668996001
Motorized Valve Kit, ½" 2-way Valve, Normally Open(NO)- Gen. Close Off Pressure	668996002
Motorized Valve Kit, ½" 2-way Valve, Normally Closed(NC)- High Close Off Pressure	668996003
MTIII, H-8 Output Wire Harness Assy Kit	910107989

Filters

Description		12 pack	Part Number
Filter- 9.75" X 37.25"	High Sill Units	668816201	669521302
Filter- 8.75" X 31.75"	Low Sill Units	668816301	669521304

Adapter and Elbow Kits

Description	Part Number
½" x ½" x 90° Elbow Kit 2 Pack	106066402
½" x ½" x 90° Elbow Kit 10 Pack	106066410
½" x ½" x 90° Elbow Kit 20 Pack	106066420
Elbow Only	061435301
½" Straight Adapter Kit 2 Pack	669522202
½" Straight Adapter Kit 10 Pack	669522210
½" Straight Adapter Kit 20 Pack	669522220
Adapter Only- .625" x .500" FPT	041116213

Fused Disconnect Kit

Description	Kit	Fuse P/N
Fuse, 10A	668817203	4EHG7795
Fuse, 15A	668817201	049128306

Field Programming Transfer Cable

Description	Part Number
Field Programming Transfer Cable	669917901

MicroTech III Communication Modules

Description	Part Number
LonWorks Comm Module	107293070
BacNet Comm Module	107293071

***** Kit includes comm module card, sensors, mounting tabs, and IM.

Critical Daikin Applied OEM Parts Are What Your Daikin Applied HVAC Unit Needs!

Enfinity™ WSHP
WMHC, WMHW
Sizes 015, 018
Design 1

CRITICAL COMPONENTS	MODEL	UNIT SIZE	VOLTAGE	PART NUMBER
CONTROLS				
Control Board MicroTech III	ALL	ALL	N/A	668105601
I/O Expansion Board Assy	ALL	ALL	N/A	668105702
COMPRESSOR				
Compressor, 15000 BTU	ALL	015	208-230/60/1	668951601
Compressor, 15000 BTU	ALL	015	265/60/1	668951603
Compressor, 18000 BTU	ALL	018	208-230/60/1	668951701
Compressor, 18000 BTU	ALL	018	265/60/1	668951711
BLOWER FAN ASSY				
Indoor Motor, 1/3HP	ALL	ALL	208-230/60/1	667994272
Indoor Motor, 1/3HP	ALL	ALL	265/60/1	667994273
FAN HOUSING & WHEEL				
Fan Housing	ALL	ALL	N/A	668793804
Wheel, Tangential	ALL	ALL	N/A	667996503
REFRIGERATION CIRCUIT				
Reversing Valve	ALL	015	N/A	910124938
Reversing Valve	ALL	018	N/A	910110418
Solenoid-Reversing Valve	ALL	015	N/A	106694207
Solenoid-Reversing Valve	ALL	018	N/A	910110439
SENSOR				
Suction Line Temp Sensor (SLTS)	ALL	ALL	N/A	910121227
Air Temp Sensor (DAT)	ALL	ALL	N/A	107201601
Water Temp Sensor (LWT)	ALL	ALL	N/A	107201601

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